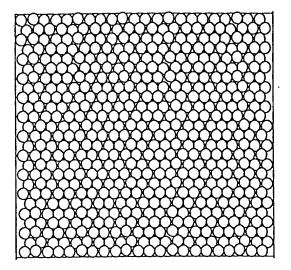
Fig. 1

HO

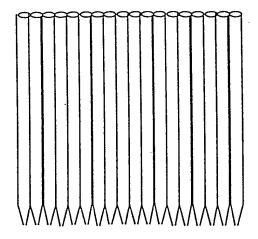
OCH₃

Fig. 2



Top view

Fig. 3A



Side view

Fig.3B

DNA or + X-R-Si-
$$R_2$$
 PH 6-7.5 or R1 RNA-R-Si- R_2 RNA RNA-R-Si- R_2 RNA-R-Si- R_2 RNA-R-Si- R_3

Where R is a linker, R1, R2 and R3 can be : -OCH3, OC2H5, CI; X=CI, Br, or I

Guanine Residue N-Bromosuccinimide

Bromine activated guanine

Figure 5a

Figure 5b

Bromo-DNA +
$$H_2N$$
 $Si(OEt)_3$ H_2N Or $Si(OEt)_3$ H_2N Or $Si(OEt)_3$ $RNA-N$ H_2N $Si(OEt)_3$

Figure 5c

Figure 6